

C O N C O R D I A U N I V E R S I T Y

FACULTY OF ENGINEERING

Minutes of the Ninety-Second Meeting

of the

Engineering Faculty Council

held on

Friday, 18 October 1974

Present: Dean J. Clair Callaghan (Chairman); Professors Douglass, du Plessis, Fazio, Gracovetsky, Krantzberg, Krakow, Kubina, Lin, Marsh, McQueen, Pekau, Swamy, Vidyasagar, Xistris; Ms N. Brodie (Library Representative); T. Murphy (Registrar's representative); Messrs. Roth and Martynko (Student representatives); Prof. J.C. Giguere (Secretary).

Visitors: Professors Joly, Ramamurthy; Mr. Yvon Dupuis (President, Order of Engineers of Quebec).

Absent with apology: Professors Hamblin, Heaps, Lindsay, McDougall.

Motion
74-92-1

1. Council unanimously adopted a motion to approve the published agenda with the addition of item

- 8.1 Appointment to Senate Fellowships, Scholarships and Awards Policy Committee.

2. The Chairman informed Council that Mr. Yvon Dupuis, President of OEQ, would be a visitor at the present meeting. It was agreed to suspend the normal order of business during Mr. Dupuis' visit in order to discuss questions of common interest.

Motion
74-92-2

3. Council unanimously adopted a motion to approve the minutes of the 91st meeting as published.

4. Membership

The Chairman informed Council that Professor J. Krantzberg would replace Professor C. Goldman as a member from the Loyola Campus. Professor Goldman is currently on leave of absence. It was noted that Professor Goldman is also a member of Senate, and that a replacement was needed for that body. The Chairman informed Council that Professor Joly would be asked to deal with the matter.

5. The Chairman informed Council that Professor Lin had been duly elected to Council.
6. The Chairman informed Council that Mr. Robert Henderson had been appointed as the ESA representative to Engineering Faculty Council (Doc. EFC 74-92.2).
7. The Chairman informed Council that Mr. J. Martynko had been appointed as the GSA representative to Engineering Faculty Council.
8. The Chairman informed Council that two "B" Councillor positions were vacant, namely those of Dr. Troitsky and Dr. Blader. Dr. Fazio informed Council that two names could be placed in nomination providing Council relaxed, for this occasion, the requirement that nominations be from the ranks of Associate and Full Professor.

Motion
74-92-3

9. Council adopted a motion that if the Civil Engineering Department wished to replace Dr. Troitsky on Council in a "B" Councillor position, the Department must nominate two people for Council's consideration. The nominees may include Assistant Professors.

(Voting: All in favour; one recorded abstention)

10. Dr. du Plessis informed Council that his Department could provide only one nominee for this position. After some discussion, Council agreed that a minimum of two nominees would be required.

Motion
74-92-4

11. Council adopted a motion that if the Mechanical Engineering Department wished to replace Dr. Blader on Council in a "B" Councillor position, the Department must nominate two people for Council's consideration. The nominees may include Assistant Professors.

(Voting: All in favour; one recorded abstention)

12. Election Procedure

The Chairman suggested that faculty members located on the Loyola Campus might find it more convenient to deliver their ballots to a scrutineer located there. This scrutineer would then transmit the results to either the Secretary of Council or the Chairman. Professor J. Krantzberg agreed to accept the position of scrutineer.

13. Visit of Mr. Yvon Dupuis, President of OEQ

On behalf of Council, the Chairman welcomed Mr. Dupuis to the present meeting and invited him to initiate discussion on matters of interest to him. The results of this discussion are summarized in items 14-20.

14. Accreditation

Mr. Dupuis noted that CCPE recommends to provincial professional engineering licensing bodies that graduates of programmes accredited by CCPE be considered to have met all academic requirements for acceptance into the profession.

15. He noted that those Spring 1974 graduates of the Loyola Faculty of Engineering B.Sc. programme who had applied for OEQ membership had been accepted, except for two who would be accepted upon becoming Canadian citizens (Doc. EFC 74-92.3). He noted that, although the programme had not been accredited by CCPE, it was OEQ's decision that its graduates should be considered on an individual basis for admission to the Order.

16. Impact on OEQ and the Engineering Profession of Bill 250

Mr. Dupuis pointed out that this Bill enacted by the Quebec National Assembly would have considerable impact on the engineering profession. He noted that the implementation of several provisions of the Bill has been delayed and suggested that Quebec Faculties of Engineering and the Order co-operate in ensuring that the quality of engineering education was not affected.

The Chairman informed Council that Dr. Giguere has been asked by the Executive Committee to study Bill 250, and to prepare a summary statement for presentation to the Committee, and eventually to Council.

Mr. Dupuis noted that he would soon be meeting with the Committee of Deans of Engineering of Quebec Universities and that he would be discussing with them the questions of updating courses for practising engineers, the length of Bachelor's degree programmes in engineering and topics relating to Bill 250.

17. Length of Bachelor's Degree Programmes in Engineering

The Chairman noted that he had transmitted to the Committee of Deans a document outlining the objectives of our B.Eng. programme as well as a description of the methods used to achieve these objectives. This document has been circulated to faculty for information. He noted that the Faculty will continue for the present to list degree requirements in terms of course requirements and elective units. Some concern had been expressed at the Committee over the effect of CLESEC's proposals concerning entrance requirements as well as OSA's recommendations concerning the length of programmes. Mr. Dupuis indicated that, under the provisions of Bill 250, OEQ had no jurisdiction over the quality of university programmes, but only over the admissibility to the Order of graduates of

such programmes. He was personally concerned over the bias of the Department of Education towards decreasing the length of Bachelor's level programmes. He suggested that the Order and the Faculties of Engineering of Quebec universities should co-operate in resisting any such tendency.

18. OEQ Requirements for Engineering Law

Professor McQueen noted that OEQ had agreed that some six hours of lecture time should be set aside to cover aspects of the Code of Professions (Bill 250) and other matters pertinent to the practice of Engineering in Quebec. Mr. Dupuis noted that it was not expected that universities could incorporate this requirement into their curricula in time for the 1975/76 academic year, but that every effort should be made to include this material in the 1976/77 curriculum. Professor McQueen noted that the proposal prepared on this matter had been drafted, and could easily be incorporated into the Concordia B.Eng. programme's course on Engineering Law and Economy.

19. Continuing Education

Mr. Dupuis was asked whether the OEQ committee on continuing education would be re-established for the current year. He answered that the committee would continue to exist. He noted that the question of updating courses for practising engineers had been dealt with under the provisions of Bill 250.

20. French Language Requirement

Mr. Dupuis was asked to clarify the present situation concerning the knowledge of French required of members of OEQ. He answered that Canadian citizens would not be required to prove competence in the use of the French language, but that other applicants would not be granted full membership until they had demonstrated such competence. They could be given provisional membership if their employment did not require them to be in contact with the public.

Motion
74-92-5

21. Council unanimously adopted a motion to thank Mr. Dupuis for providing, through his visit, this opportunity to exchange information, and to strengthen the link between the Faculty and the profession.

22. Appointment to Search Committee for Vice-Rector, Academic

The Chairman informed Council that Professor Xistris had won the election established by Council through Motion 74-91-10.

Motion
74-92-6

23. Council unanimously adopted a motion to appoint Professor Xistris to the Search Committee for Vice-Rector, Academic.

24. Appointment to Committee of Senate to Study the Organization of Computer Science in Concordia University

The Chairman informed Council that Dr. Swamy had been nominated under the provisions of Motion 74-91-11. No other nomination had been received.

Motion
74-92-7

25. Council unanimously adopted a motion to appoint Dr. Swamy to the Committee of Senate established to study the Organization of Computer Science in Concordia University.

26. Appointment to Senate Library Committee

The Chairman invited Council to reconsider its nominations for these positions in view of the fact that Professor Heaps is currently a member of the Senate Library Committee.

Motion
74-92-8

27. Council unanimously adopted a motion to declare the nominations for the position as listed in item 91-34 null and void.

28. The Chairman called for nominations for appointment to the Senate Library Committee. The person nominated by Council will serve until 31 May 1976. Professors Schwelb and Douglass were nominated. Elections will be held prior to the next meeting of Council.

29. Response to CLESEC Proposals - University Entrance Requirements

As requested by motion 74-91-8, Professor Giguere tabled for consideration by Council a draft (Doc. EFC 74-92.4) of Council's possible response to the CLESEC Science Subcommittee's recommendations concerning entrance requirements for University programmes in the Pure and Applied Sciences. He noted that EUSC had not been able to consider this draft, but that it had been considered by the Executive Committee. He further noted that the Subcommittee's recommendations had been accepted by CLESEC at its meeting of 4 October 1974 (Doc. EFC 74-92.5). It is expected that the complete report would be approved by CLESEC at its November meeting, at which point it would presumably go to each university for ratification.

Motion
74-92-9

30. Council unanimously adopted a motion to recommend to Senate that it approve for transmission to CLESEC the contents of Doc. EFC 74-92.4.

31. Student Representative for B.Sc. Programme

Professor Kubina noted that under the terms of the merger,

the membership of EFC should be temporarily increased to include a student member from the Loyola B.Sc. programme. The Secretary promised to investigate the matter and report back at the next meeting of Council.

32. Graduate Courses

Professor Giguere drew Council's attention to EGSC's recommendations for approval of two new graduate courses (Doc. EFC 74-92.1). It is expected that, if approved, these courses would be offered during the January-April 1975 session.

Motion
74-92-10

33. Council unanimously adopted a motion to recommend to BGS the approval of the two graduate courses listed in Doc. EFC 74-92.1.

34. Certificates in Engineering

The Chairman informed Council of a proposal emanating from UCCC concerning degree certificates (Doc. EFC 74-92.6). Such certificates would be granted upon the completion of 30 credits.

Motion
74-92-11

35. Council unanimously adopted a motion to inform UCCC that it does not recommend, at this time, the awarding of certificates to students in the undergraduate programme in the Faculty of Engineering.

36. Appointment to Senate Fellowships, Scholarships and Awards Policy Committee

The Chairman informed Council of a request by Senate (Doc. EFC 74-92.7) to appoint a member to the Committee. He called for nominations. Professor M.M. Douglass was nominated.

Motion
74-92-12

37. Council unanimously adopted a motion to appoint Dr. Douglass to the Senate Fellowships, Scholarships and Awards Policy Committee.

38. B.Eng. Programme - 1975/76

The Chairman invited Dr. Douglass to present EUSC's proposals (Docs. EFC 74-92.8, .9 and .10). Dr. Douglass noted that Doc. EFC 74-92.8, Appendix A, should be modified as per Doc. 74-92.9. Further, although Doc. 74-92.10 was the subject of a separate recommendation, it should be included as part of Appendix B of Doc. EFC 74-92.8.

Motion
74-92-13

39. Council unanimously adopted a motion to recommend to Senate the adoption of recommendation 1 of Doc. EFC 74-92.8 and of the pertinent calendar statement contained in Doc. EFC 74-92.10.

40. Council felt that the changes in programme regulations contained in Appendix B of Doc. EFC 74-92.8 should be examined by the departments before they are considered by Council.

Motion
74-92-14

41. Council unanimously adopted a motion to request the Departments to consider the changes in the B.Eng. programme regulations recommended in pages 1-3 of Appendix B of Doc. EFC 74-92.8 and to forward their recommendations to EUSC.

42. Council now turned its attention to Appendix A of Doc. EFC 74-92.8 as corrected by Doc. EFC 74-92.9. It was agreed that footnotes 1, 1a, 2, 2a, 3, 4 and 5 on pp. 2 and 3 be deleted.

Motion
74-92-15

43. Council considered a motion to recommend to Senate that it adopt as the B.Eng. programme of Concordia University the programme listed in the 1974/75 SGWU calendar, with the changes listed in Doc. EFC 74-92.8, Appendix A, as corrected by Doc. EFC 74-92.9.

Motion
74-92-16

44. Council unanimously adopted a motion to amend motion 74-92-16 by modifying statement 4 of 1.1.5 of Doc. EFC 74-92.8, Appendix A, to read "...programme, options A and B, with 4 elective units", and adding after statement 4 the statement: "Mechanical Engineering N 521 to become a technical elective for the Mechanical Engineering programme options A and B with 3 elective units."

45. Council unanimously adopted motion 74-92-15 as amended by motion 74-92-16.

46. B.Sc. Programme

The Chairman apologized to Council for the late circulation of Doc. EFC 74-92.11. He emphasized that this was through no fault of the Loyola Campus members of the Faculty. He invited Professor Joly to present recommendations concerning this programme.

47. Professor Joly noted the following corrections to Doc. EFC 74-92.11:

page 1: Under the heading "The Program", delete para 3

page 2: Under the heading "The Curricula", delete, in the fourth line, the statement "or the para-professional engineering program".

48. Professor Joly drew Council's attention to Doc. EFC 74-92.3 and stressed the high quality of the B.Sc. programme.

49. There was considerable discussion concerning the desirability of offering year 1 of the B.Sc. programme on the Loyola Campus for the year 1975/76. A consensus was eventually reached as expressed in the following motions.

Motion
74-92-17

50. Council considered a motion to list all three years of the B.Sc. programme in the 1975/76 calendar with the following statements:

1. Only year 2 and year 3 of the B.Sc. programme will be offered during 1975/76.
2. The first year of the B.Eng. programme will be offered at the Loyola Campus. The contents of these courses will be subject to change.

Motion
74-92-18

51. Council unanimously adopted a motion to amend motion 74-92-17 by deleting, under item 2, the statement "the contents of these courses will be subject to change."
52. It was Council's opinion, in adopting motion 74-92-18, that content of courses could be modified to meet local conditions without including in the calendar a statement which would lead to unnecessary confusion.
53. Council unanimously adopted motion 74-92-17 as amended by motion 74-92-18.

Motion
74-92-19

54. Council unanimously adopted a motion to recommend to Senate that the curriculum of the B.Sc. programme be as listed in Doc. EFC 74-92.11, pp. 4-7 and pp. 9-22.
55. The Assistant Dean, Undergraduate Studies, recognizing the intent of Motions 74-92-18 and 74-92-19, will prepare the preamble for the calendar presentation of the B.Sc. programme.
56. It is understood that the Departments will examine over the next year the possibility of revising the B.Eng. curriculum in view of the widened spectrum of resources and additional insights which accrue from the merger, and the necessity to take into account the evolving profile of the CEGEP graduate.
57. Certificate Programme in Quality Control

Council felt that it was unable to assess on short notice the academic quality of this programme. It was therefore agreed that Council would defer consideration until its next regular meeting. The Departments and the EUSC will examine the academic merits of the programme, and the Executive Committee will examine any resource implications. In the meantime, the Assistant Dean, Under-

graduate Studies, would proceed for calendar purposes under the assumption that the programme would be approved as listed in Doc. EFC 74-92.11.